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# INTERNATIONAL PRELIMINARY EXAMINATION REPORT (PCT Article 36 and Rule 70)

	Applicant's or agent's file reference Cal 86062		nt's file reference	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
				International filing date (day/mor 11.04.2003	nth/year)	Priority date (day/month/year) 17.04.2002
1	International Patent Classification (IPC) or both national classification and IPC C07C69/734					
Applicant ISAGRO RICERCA S.R.L.						
1.	This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.					
2.	This	REP	ORT consists of a total of	of 6 sheets, including this cove	r sheet.	
	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).					
	These annexes consist of a total of 11 sheets.					
3.	This	repor	t contains indications re	lating to the following items:		
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	;  }		Basis of the opinion Priority			
	111		•	ninion with regard to povelty	inventive sten a	and industrial applicability
	١٧			ind industrial applicability		
	V   Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
	VI		Certain documents cite	ed		
	VII		Certain defects in the i	nternational application		
	VIII		Certain observations o	n the international application	•	
Date	of sub	missio	n of the demand	Date o	f completion of th	ls report
11.11.2003		02.07	'.2004			
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## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP 03/03784

<ol> <li>Basis of the report</li> </ol>	١.	Basis	of the	report
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1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Des	escription, Pages				
	1-43	3	as originally filed			
	Cla	ims, Numbers	•			
	1-23	3	received on 27.02.2004 with letter of 26.02.2004			
2.	With lang	With regard to the language, all the elements marked above were available or furnished to this Authority in the anguage in which the international application was filed, unless otherwise indicated under this item.				
	The	se elements were ava	ailable or furnished to this Authority in the following language: , which is:			
		the language of a tra	nslation furnished for the purposes of the international search (under Rule 23.1(b)).			
the language of publication of the international application (under Rule 48.3(b)).						
		the language of a tra Rule 55.2 and/or 55.3	nslation furnished for the purposes of international preliminary examination (under 3).			
3.	. With regard to any <b>nucleotide and/or amino acid sequence</b> disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:					
		contained in the inter	national application in written form.			
		filed together with the	e international application in computer readable form.			
		furnished subsequen	tly to this Authority in written form.			
	furnished subsequently to this Authority in computer readable form.					
	☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclos in the international application as filed has been furnished.					
		The statement that the listing has been furni	ne information recorded in computer readable form is identical to the written sequence shed.			
4.	The	amendments have re	esulted in the cancellation of:			
		the description,	pages:			
		the claims,	Nos.:			
		the drawings,	sheets:			
5.		This report has been been considered to g	established as if (some of) the amendments had not been made, since they have go beyond the disclosure as filed (Rule 70.2(c)).			
		(Any replacement sh report.)	eet containing such amendments must be referred to under item 1 and annexed to this			
6.	Add	litional observations, i	f necessary:			

### INTERNATIONAL PRELIMINARY **EXAMINATION REPORT**

International application No.

PCT/EP 03/03784

- V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- 1. Statement

Novelty (N)

No:

Yes: Claims

No: Claims

1-3,6-12,15-23

Inventive step (IS)

Yes: Claims

Claims No:

4,5,13,14

Industrial applicability (IA)

Yes: Claims

Claims

1-23

2. Citations and explanations

see separate sheet

### Item V

Reasoned statement under Artikel 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

D1 US 5 145 980

D2 US 55 45 664

D3 EP 0 398 692 cited in the present application

### V.3 Amendments

The definition provided in the amended claim 1 concerning the A parameter fullfills the requirements of article 6 PCT.

The present claim 1 was modified such that the scope has been reduced to compounds of formula (I) wherein:

$$X_1$$
,  $X_5 = H$ ;  $X_2$ ,  $X_4 = Hal$ ;  $X_3 = R$ ;  
or  $X_1$ ,  $X_4 = H$ ;  $X_3$ ,  $X_5 = Hal$ ;  $X_2 = R$ ;  
with  $Z = CH$  or N when  $Y = OCH_3$  or  $Z = N$  when  $Y = NHCH_3$ .

These amendments correspond to the exclusion of the following originally disclosed possibilities:  $1/X_1 = \text{Hal or R}$ 

 $2/X_2 = H$ 

 $3/X_1, X_3 = H; X_2 = R$ 

 $4/X_1 = H; X_2, X_4, X_5 = Hal$ 

5/Z = CH when  $Y = NHCH_3$ .

The novelty-destroying compounds known from **D1** cover  $X_1$ ,  $X_5 = Cl$ , F. Br;  $X_3 = Me$  or  $X_3$ ,  $X_5 = Cl$ , F, Br;  $X_1 = R$  for the same activity as fungicides (*i.e.* disclaimer not allowable). The application as originally filed disclosed  $X_1$ ,  $X_5 = H$ ;  $X_2$ ,  $X_4 = Hal$ ;  $X_3 = R$  in the case n = 0 (claim 4 or page 4).

Accordingly there seems to be no support for the proposed amendments. These latter seem to be a generalization of the examples, contravening to the requirements of article 34(2)b) PCT.

Therefore the following issues of novelty and inventive step were dealt according to the original set of claims.

### V.2 Novelty

As already outlined in the description, the teaching of **D3** (claim 2) can be seen as generic in regards to the present application. The phenoxymethylphenyl derivatives of general formula (I) presently claimed are already known from the prior art, for instance:

D1: compounds N°1.197 to 1.202 in table 1

Accordingly the subject-matters of claims 1-3, 6-12 and 15-23 are not novel in view of D1.

### V.3 Inventive step

The closest state of the art for the present application is represented by **D1** disclosing structurally similar compounds which do not fall under the present application (claim 4) because of only the halogen positions on the phenyl ring: 2,6- or 2,4- (**D1**: compounds N°1.197 to 1.202) instead of 3,5-substitution in the present application (claim 4). Presently such a structural variation is alleged to lead to derivatives with the same qualitative activity/properties as those described in **D1**. In view of the experimental part and the other information as given in the description, it can be assumed that this problem has been solved for those compounds, wherein n = 0,  $X_1 = X_5 = H$ ,  $X_2 = X_4 = CI$  and  $X_3 = R$ , *i.e.* an alkoxy, alkoxyalkyl, alkenyloxy, cycloalkylalkoxy and benzyloxy groups with possible halogen substitution or n = 0,  $X_1 = X_4 = H$ ,  $X_3 = X_5 = CI$  and  $X_2 =$  alkylenoxy substituted by halogen (cf. letter of applicant of 26.02.2003, table on pages 3-4).

The problem underlying the present application can, however, not be seen in the provision of further novel derivatives, because in view of the extremely close structural relationship to **D1** compounds it is considered that the man skilled in the art would regard the new compounds of this application (claim 4) as being obvious alternatives to the known compounds.

Therefore, the problem underlying the present application should be seen in the provision of new derivatives having unexpected properties over those of the closest prior art compounds (**D1**). Comparative tests were performed between compounds 1.197 and 1.200 of **D1** with those claimed in the present application (cf. letter of applicant of 26.02.2003, table on pages 3-4).

It was convincingly shown, as previously stated, that the modified position of the halogensubstitution with simultaneous presence of an oxy-moiety on the phenyl ring improves dramatically the fungicidal activity. Therefore if one has to make use of the argument that **EXAMINATION REPORT - SEPARATE SHEET** 

such a "minor" structural modifications could not be anticipated by the man skilled in the art to have such an influence on the sought activity, other more dramatic modifications as described in claim 1 cannot be considered as obvious or generalize without additional experimental evidence. Such a generalization could also lead to compounds having no effect at all. Accordingly only a reasonable generalization of the examples, not contravening to article 34(2)b) PCT, could be considered as inventive. Expressions such as heteroaryloxy or alkoxyiminoalkylidenoxy can be considered as a reasonable generalization, for instance!

The subject-matter of claim 4 and dependent claim 5 or related claims 13-14 do not therefore fulfill the requirements of Article 33(3) PCT.

### Further comments:

The term "etc" is indefinite (cf. PCT Guidelines CIII-4.3a).

### CLAIMS

### 1. Compounds having general formula (I)

$$H_3$$
C  $Z$   $X_5$   $X_4$   $X_3$ 

(I)

- 5 wherein:
  - X<sub>1</sub> represents a hydrogen atom;
  - X2 represents a halogen atom or an R group;
  - $X_3$  represents an R group when  $X_2$  = halogen, or represents a halogen atom when  $X_2$  = R;
- 10  $X_4$  represents a halogen atom when  $X_3$  = R, or represents a hydrogen atom when  $X_2$  = R;
  - $X_5$  represents a hydrogen atom when  $X_3$  = R, or represents a halogen atom when  $X_2$  = R;
- R represents a C<sub>1</sub>-C<sub>12</sub> alkoxy or alkylthio group option
  15 ally substituted by halogen atoms, cyano groups, C<sub>1</sub>-C<sub>6</sub>
  alkoxy groups optionally halogenated, C<sub>2</sub>-C<sub>10</sub> alkoxyalkoxy
  groups optionally halogenated, C<sub>3</sub>-C<sub>12</sub> trialkyl silyl
  groups; a C<sub>2</sub>-C<sub>12</sub> alkenyloxy or alkenylthio group optionally substituted by halogen atoms; a C<sub>3</sub>-C<sub>12</sub> alkynyloxy or

  20 alkynylthio group; a linear or branched C<sub>3</sub>-C<sub>12</sub> alkoxyimi-



noalkylidenoxy or alkoxyiminoalkylidenthio group; a C<sub>3</sub>-C<sub>8</sub> cycloalkoxy group optionally substituted by halogen atoms, C<sub>1</sub>-C<sub>6</sub> alkyl or haloalkyl groups; a C<sub>4</sub>-C<sub>12</sub> cycloalkylalkoxy or cycloalkylalkylthio group optionally substituted by halogen atoms, C<sub>1</sub>-C<sub>6</sub> alkyl or haloalkyl groups; an aryloxy, arylthio, heteroaryloxy, heteroarylthio, aryl-(C<sub>1</sub>-C<sub>6</sub>)alkoxy, aryl-(C<sub>1</sub>-C<sub>6</sub>)alkylthio group optionally substituted by halogen atoms, C<sub>1</sub>-C<sub>6</sub> alkyl groups optionally halogenated, C<sub>1</sub>-C<sub>6</sub> alkoxy groups optionally halogenated, nitro groups, cyano groups;

- A represents a halogen atom or a  $C_1$ - $C_4$  alkyl, haloal-kyl, alkoxy, haloalkoxy group, groups A being the same or different when n is greater than or equal to 2;
- Y represents an OCH3 group or an NHCH3 group;
- 15 Z represents a CH group or a nitrogen atom N when  $Y = OCH_3$ , a nitrogen atom N when  $Y = NHCH_3$ ;
  - n is an integer ranging from 0 to 4.
  - 2. The compounds according to claim 1, characterized in that they are an isomeric mixture in any proportion, or
- 20 the isomer E or the isomer Z of the compounds having formula (I).
  - 3. The compounds according to claim 1, characterized in that they are the isomer E of the compounds having formula (I).
- 25 4. The compounds according to claim 1, characterized in





### Retyped amended claim set

that  $X_3$  represents an R group according to the above mentioned meanings,  $X_2$  and  $X_4$  represent a halogen atom,  $X_1$  and  $X_5$  represent a hydrogen atom and n is equal to 0.

- 5. The compounds according to claim 1, characterized in that they are selected from:
- methyl (E)-2-[2-(4-cyclopropylmethoxy-3,5-dichlorophen-oxymethyl)phenyl]-3-methoxyacrylate;
- methyl (E)-2-[2-(4-cyclopropylmethoxy-3,5-dichlorophenoxymethyl)phenyl]-2-methoxyiminoacetate;
- 10 (E)-2-[2-(4-cyclopropylmethoxy-3,5-dichlorophenoxymethyl)phenyl]-N-methyl-2-methoxyiminoacetamide;
  - methyl (E)-2-{2-[4-(2,2-dichlorocyclopropyl)methoxy-3,5-dichlorophenoxymethyl]phenyl}-3-methoxyacrylate;
  - methyl  $(E)-2-\{2-[4-(2,2-dichlorocyclopropyl) methoxy-$
- 15 3,5-dichlorophenoxymethyl]phenyl}-2-methoxyiminoacetate;
  - (E)-2-{2-[4-(2,2-dichlorocyclopropyl)methoxy-3,5-di-chlorophenoxymethyl]phenyl}-N-methyl-2-methoxyiminoacet-amide;
  - methyl (E) -2-{2-[3,5-dichloro-4-(3,3-dichloroprop-2-
- 20 enyloxy)phenoxymethyl]phenyl}-3-methoxyacrylate;
  - methyl (E)-2-{2-[3,5-dichloro-4-(3,3-dichloroprop-2-enyloxy)phenoxymethyl]phenyl}-2-methoxyminoacetate;
  - (E)-2-{2-[3,5-dichloro-4-(3,3-dichloroprop-2-enyloxy)-phenoxymethyl]phenyl}-N-methyl-2-methoxyiminoacetamide;
- 25 methyl (E) -2-{2-[3,5-dichloro-4-(3-chloro-4,4,4-





### Retyped amended claim set

trifluorobut-2-enyloxy) phenoxymethyl]phenyl}-3-methoxyacrylate;

- methyl (E)-2-{2-[3,5-dichloro-4-(3-chloro-4,4,4-tri-fluorobut-2-enyloxy)phenoxymethyl]phenyl}-2-methoxyimi-noacetate;
- (E)-2-{2-[3,5-dichloro-4-(3-chloro-4,4,4-trifluorobut-2-enyloxy)phenoxymethyl]phenyl}-N-methyl-2-methoxyimino-acetamide;
- methyl (E)-2-[2-(4-cyclobutylmethoxy-3,5-dichloro-10 phenoxymethyl)phenyl]-3-methoxyacrylate;
  - methyl (E)-2-{2-[3,5-dichloro-4-(3,3-dimethylbutoxy) phenoxymethyl]phenyl}-3-methoxyacrylate;
  - methyl (E)-2-{2-[3,5-dichloro-4-(3-methylbutoxy) phenoxymethyl]phenyl}-3-methoxyacrylate;
- 15 methyl (E)-2-[2-(4-cyclohexylmethoxy-3,5-dichloro-phenoxymethyl]phenyl}-3-methoxyacrylate;
  - methyl (E)-2-{2-[3,5-dichloro-4-(2,4-dichloro-benzyloxy)phenoxymethyl]phenyl}-3-methoxyacrylate;
  - methyl (E)-2-{2-[3,5-dichloro-4-(4-chloro-
- 20 benzyloxy)phenoxymethyl]phenyl}-3-methoxyacrylate.
  - 6. The process for the preparation of the compounds having general formula (I), according to any of the claims 1-5, characterized in that it includes a condensation reaction of a compound having general formula (II)
- 25 with a phenol having general formula (III), according to

the reaction scheme 1:

Scheme 1

- wherein ,  $X_1$ ,  $X_2$ ,  $X_3$ ,  $X_4$ ,  $X_5$ , A, Y, Z and n have the meanings defined above, L represents a leaving group such as a chlorine atom, a bromine atom or a  $R_LSO_3^-$  group wherein  $R_L$  represents a  $C_1$ - $C_6$  alkyl or haloalkyl, or a phenyl optionally substituted.
- 7. The process according to claim 6, characterized in that the reaction is carried out in an inert organic solvent, at a temperature ranging from 0°C and the boiling temperature of the reaction mixture, possibly in the presence of an inorganic or organic base.
- 8. The process according to claim 7, characterized in that the solvent is selected from alcohols, ethers, esters, ketones, chlorinated hydrocarbons, aromatic hydrocarbons, aliphatic hydrocarbons, aprotic dipolar solvents.





- 9. The process according to claim 7, characterized in that the inorganic base is selected from hydrides, hydroxides, carbonates of alkaline or alkaline-earth metals.
- 5 10. The process according to claim 7, characterized in that the organic base is selected from pyridine, dimethylaminopyridine, aliphatic amines, cyclic amines, alcoholates of alkaline metals.
  - 11. Use of the compounds having general formula (I)

$$H_3$$
C  $X_5$   $X_4$   $X_3$ 

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(I)

wherein:

- X<sub>1</sub> represents a hydrogen atom;
- X2 represents a halogen atom or an R group;
- 15  $X_3$  represents an R group when  $X_2$  = halogen, or represents a halogen atom when  $X_2$  = R;
  - $X_4$  represents a halogen atom when  $X_3$  = R, or represents a hydrogen atom when  $X_2$  = R;
- $X_5$  represents a hydrogen atom when  $X_3$  = R, or repre-20 sents a halogen atom when  $X_2$  = R;

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#### Retyped amended claim set

- R represents a C<sub>1</sub>-C<sub>12</sub> alkoxy or alkylthio group optionally substituted by halogen atoms, cyano groups, C1-C6 alkoxy groups optionally halogenated, C2-C10 alkoxyalkoxy groups optionally halogenated, C3-C12 trialkyl silyl groups; a C2-C12 alkenyloxy or alkenylthio group optionally substituted by halogen atoms; a C<sub>3</sub>-C<sub>12</sub> alkynyloxy or alkynylthio group; a linear or branched C<sub>3</sub>-C<sub>12</sub> alkoxyiminoalkylidenoxy or alkoxyiminoalkylidenthio group; a C3-C8 cycloalkoxy group optionally substituted by halogen atoms, C<sub>1</sub>-C<sub>6</sub> alkyl or haloalkyl groups; a C<sub>4</sub>-C<sub>12</sub> cycloalkylalkoxy or cycloalkylalkylthio group optionally substituted by halogen atoms, C<sub>1</sub>-C<sub>6</sub> alkyl or haloalkyl groups; aryloxy, arylthio, heteroaryloxy, heteroarylthio, an  $aryl-(C_1-C_6)$  alkoxy,  $aryl-(C_1-C_6)$  alkylthio group optionally substituted by halogen atoms, C1-C6 alkyl groups optionally halogenated, C1-C6 alkoxy groups optionally halogenated, nitro groups, cyano groups;
- A represents a halogen atom or a  $C_1$ - $C_4$  alkyl, haloal-kyl, alkoxy, haloalkoxy group, groups A being the same or different when n is greater than or equal to 2;
  - Y represents an OCH3 group or an NHCH3 group;
  - Z represents a CH group or a nitrogen atom N when  $Y = OCH_3$ , a nitrogen atom N when  $Y = NHCH_3$ ;
  - n is an integer ranging from 0 to 4;
- 25 as acaricides and/or insecticides and/or fungicides.







- 12. The use according to claim 11 of the isomers E of the compounds having formula (I).
- 13. The use according to claim 11, wherein  $X_3$  represents an R group according to the above meanings,  $X_2$  and  $X_4$  represent a halogen atom,  $X_1$  and  $X_5$  represent a hydrogen atom and n is equal to 0.
- 14. The use according to claim 11, wherein the compounds of formula (I) are selected from:
- methyl (E) -2-[2-(4-cyclopropylmethoxy-3,5-dichlorophen-
- 10 oxymethyl)phenyl]-3-methoxyacrylate;
  - methyl (E) -2-[2-(4-cyclopropylmethoxy-3,5-dichlorophenoxymethyl)phenyl]-2-methoxyiminoacetate;
  - (E)-2-[2-(4-cyclopropylmethoxy-3,5-dichlorophenoxy-methyl)phenyl]-N-methyl-2-methoxyiminoacetamide;
- 15 methyl (E)-2-{2-[4-(2,2-dichlorocyclopropyl)methoxy-3,5-dichlorophenoxymethyl]phenyl}-3-methoxyacrylate;
  - methyl (E)-2-{2-[4-(2,2-dichlorocyclopropyl)methoxy-3,5-dichlorophenoxymethyl]phenyl}-2-methoxyiminoacetate;
  - (E) -2- $\{2-[4-(2,2-dichlorocyclopropyl) methoxy-3,5-di-$
- 20 chlorphenoxymethyl]phenyl}-N-methyl-2-methoxyiminoacetamide;
  - methyl (E)-2-{2-[3,5-dichloro-4-(3,3-dichloroprop-2enyloxy)phenoxymethyl]phenyl}-3-methoxyacrylate;
  - methyl  $(E)-2-\{2-[3,5-dichloro-4-(3,3-dichloroprop-2-(3,3-dichl$
- 25 enyloxy) phenoxymethyl]phenyl}-2-methoxyiminoacetate;



### Retyped amended claim set

- (E)-2-{2-[3,5-dichloro-4-(3,3-dichloroprop-2-enyloxy)-phenoxymethyl]phenyl}-N-methyl-2-methoxyiminoacetamide;
- methyl (E)-2-{2-[3,5-dichloro-4-(3-chloro-4,4,4trifluorobut-2-enyloxy)phenoxymethyl]phenyl}-3-methoxyacrylate;
- methyl (E)-2-{2-[3,5-dichloro-4-(3-chloro-4,4,4-tri-fluorobut-2-enyloxy)phenoxymethyl]phenyl}-2-methoxyimi-noacetate;
- (E)-2-{2-[3,5-dichloro-4-(3-chloro-4,4,4-tri-fluorobut-
- 2-enyloxy)phenoxymethyl]phenyl}-N-methyl-2-methoxyiminoacetamide;
  - methyl (E)-2-[2-(4-cyclobutylmethoxy-3,5-dichlorophenoxymethyl)phenyl]-3-methoxyacrylate;
  - methyl (E) -2-{2-[3,5-dichloro-4-(3,3-dimethylbutoxy)
- phenoxymethyl]phenyl}-3-methoxyacrylate;
  - methyl (E)-2-{2-[3,5-dichloro-4-(3-methylbutoxy) phenoxymethyl]phenyl}-3-methoxyacrylate;
  - methyl (E)-2-[2-(4-cyclohexylmethoxy-3,5-dichloro-phenoxymethyl]phenyl}-3-methoxyacrylate;
- 20 methyl (E)-2-{2-[3,5-dichloro-4-(2,4-dichlorobenzyloxy)phenoxymethyl]phenyl}-3-methoxyacrylate;
  - methyl (E) -2-{2-[3,5-dichloro-4-(4-chloro-benzyloxy) phenoxymethyl]phenyl}-3-methoxyacrylate.
- 15. The use according to any of the claims 11-14 for the 25 control of adults, larvae and eggs of mites and insects





which are harmful in the agrarian, civil and zootechnical field.

- 16. The use according to claim 15, wherein the harmful mites and/or insects are tetranychidae (Tetranychus urticae, Tetranychus telarius, Tetranychus cinnabarinus, Eotetranychus carpini, Panonychus ulmi, Panonychus citri), eriophyidae (Phytoptus avellanae, Eriophyes vitis, Eriophyes piri) tarsonemidae (Steneotarsonemus pallidus), hemiptera (Macrosiphum euphorbiae, Aphis fabae, Myzus persicae), lepidoptera (Spodoptera spp., Heliothis spp., Chilo spp., Carpocapsa pomonella), coleoptera (Leptinotarsa decemlineata, Phaedon cochleariae), diptera (Aedes spp., Culex spp., Musca spp.).
- 17. The use according to any of the claims 11-14 for the

  15 control of phytopathogenous fungi such as: Helminthosporium spp., Erysiphe spp., Puccinia spp., Plasmopara viticola, Pythium spp., Phytophthora spp., Rhynchosporium
  spp., Septoria spp., Sphaerotheca fuliginea, Podosphaera
  leucotricha, Pyricularia oryzae, Uncinula necator, Ventu
  20 ria spp., Botrytis cinerea, Fusarium spp., Alternaria
  spp., Cercospora spp.
  - 18. The use according to any of the claims 11-14 for the control of mites, insects and fungi which are harmful in crops of agrarian and horticultural interest, on domestic and breeding animals, in environments frequented by human

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### Retyped amended claim set

beings.

- 19. A method for controlling mites and/or insects and/or phytopathogenous fungi in crops of agrarian and horticultural interest, and/or on domestic and breeding animals, and/or in environments frequented by human beings, by the application of the compounds having general formula (I) according to one of the claims 1-5.
- 20. The method according to claim 19, characterized in that the quantity of compound to be applied varies from 10 g to 5 kg per hectare.
- 21. Acaricidal and/or insecticidal and/or fungicidal compositions containing as active principle one or more compounds having general formula (I) according to one of the claims 1-5.
- other active principles compatible with the compounds having general formula (I), such as other acaricides/insecticides, fungicides, phyto-regulators, antibiotics, herbicides, fertilizers.
- 20 23. The compositions according to claim 21, characterized in that the concentration of active principle ranges from 1 to 90%, preferably from 5 to 50%.